

Amendments to the Claims.

Please amend the claims to read as follows:

1. (Currently Amended) A method of induction of amyloid plaques, the method comprising the steps of:
 - a) immobilizing a quantity of a selected sulfated glycosaminoglycan (SGAG) or a GAG-related macromolecule on a selected medium by allowing SGAG to air dry on the selected medium;
 - b) adding to the immobilized SGAG on the medium a quantity of dissolved low fibrillar A β 1-40 (LFA β).
2. (Original) The method of Claim 1, wherein the LFA β is added in a A β :SGAG weight/weight (w/w) ratio range of between 1:0.01 to 1:20.
3. (Original) The method of Claim 2, wherein the LFA β is added in a A β :SGAG w/w ratio range of between 1:0.1 to 1:10.
4. (Original) The method of Claim 3, wherein the LFA β is added in a A β :SGAG w/w ratio range of between 1:0.5 to 1:2.
5. (Original) The method of Claim 4, wherein the LFA β is added in a A β :SGAG w/w ratio of about 1:1.
6. (Original) The method of Claim 1, wherein the selected medium is either a slide, a film or a titer well plate.
7. (Original) The method of Claim 1, wherein the SGAG is selected from the group of SGAGs consisting of heparin, heparan sulfate, keratan sulfate, dermatan sulfate, chondroitin-4-sulfate and chondroitin-6-sulfate, and the GAG-related macromolecule is dextran sulfate.

8. (Previously presented) The method of Claim 6, wherein the titer well plate is an 18 - 96 well PTFE fluoropolymer partitioned slide.

9. (Cancelled) ~~The method of Claim 8, wherein the LFA β is added to the immobilized SGAG by a bubbling technique.~~

10. (Currently Amended) A method of induction of amyloid plaques, the method comprising the steps of:

- a) immobilizing a quantity of a sulfated glycosaminoglycan (SGAG) or a GAG-related macromolecule on a PTFE fluoropolymer partitioned slide well and allowing SGAG to air dry in the PTFE fluoropolymer partitioned slide well, the SGAG selected from the group of SGAGs consisting of heparin, heparan sulfate, keratan sulfate, dermatan sulfate, chondroitin-4-sulfate and chondroitin-6-sulfate, and the GAG-related macromolecule is dextran sulfate;
- b) adding to the immobilized SGAG on the slide well a quantity of dissolved low fibrillar A β 1-40 (LFA β), wherein the LFA β is added in a A β :SGAG w/w ratio range of between 1:0.5 to 1:2 by bubbling the LFA β into the slide well.

11- 32. (Cancelled)

33. (New) The method of claim 1 or 10, where the SGAG and LFA β are incubated at about 25 to 40°C.

34. (New) The method of claim 33, where incubation occurs at 37°C.

35. (New) The method of claim 33, where incubation occurs for about 12 to 24 hours.